ES61 Independent Smoke Sensor For Fire Alarm

I. Overview

The detector is battery-powered, stand-alone photoelectric smoke detector, advanced optoelectronic maze design, go smoke-channel design in the rear, can adapt to the smoke-dip In, starting from the initial smoke have a higher sensitivity. Unique appearance and installation design allows the detector to better integrate into the installation environment. Detectors have excellent energy-saving functions 3pcs AA alkaline batteries can make it work for up to three years. The smoke detector has a high level of detection sensitivity, fast response, After detection of smoke , it can live loud alarm sounds while sending radio alarm signal.

2. Technical Parameters

Wireless alarm signal transmission frequency: 433MHz

Operating voltage: 4.5V battery-powered . 3pcs 1.5V AA alkaline batteries

Power On Self Test time: 20 seconds

Working lights: Blinking interval 60 seconds

Operating temperature range: -10 to 55 degrees Celsius

Low battery warning mode: buzzer every minute

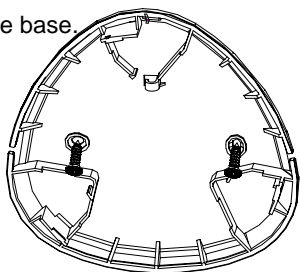Sensitivity: 1% -3% / FT (0.14-0.43dB / m)

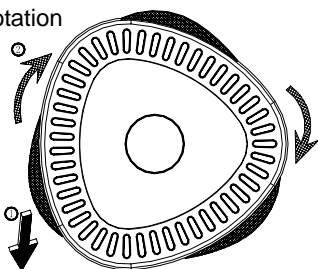Wind resistance: 20 m / sec (no false positives)

Dimension: 130mm*35mm

3.Installation

A: Install the battery, the red warning column will bounce, respectively Insert the battery, the detector should beep once and start the self-test, will sound twice again within 20 seconds, and then enter the working state.

B: Fix the base.　　　　　　　　　　**C:** Rotation

*Insure two screw holes were horizontal　　* Put the detector into base, rotate 30°to the left.

4.Testing

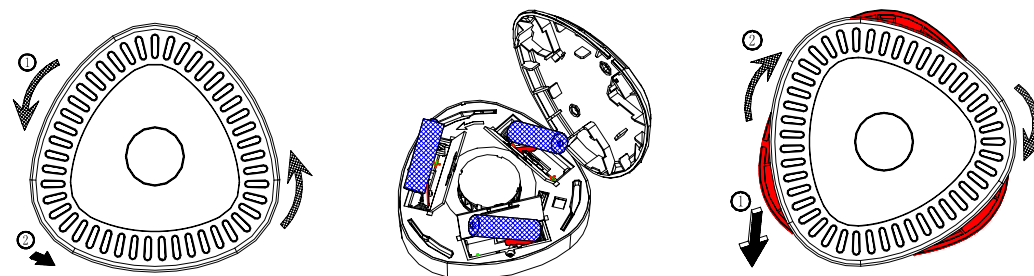**A.** Recommended that users test once every month of the operation

B. Press the test button, the detector will ring and the alarm indicator light, the linkage device will have alarm response, press the test button again, the detector will stop ringing.

5. Maintaining

A. Replace the battery when the battery usage time over three years or detector make a beep every minute, please replace it.

B. Clean the inner structure after a period of usage.

6.How to replace battery

A: Counter-clockwise, and remove the outer part of the detector body.

B: Remove the old battery, Put new battery negative down, press and hold the button anti-card, and diagonally put into place.

C: Rotate to the left about 30 degrees to the wall base, and press clockwise to the end.

7.Reminding

The detector is based on the wireless transmission of the alarm signal, when the detector mounting region has a specific radio transmission obstacles, it will affect the detection results.

8. Malfunction analysis and solution

Problem	Reason analysis	Solution
Smoke alarm beeps about once a minute	Low power	Replace battery
Frequent false alarm	Sensor has much dust	Use vacuum cleaner to clean up